

Amendments to the Claims

Please cancel claims 1-15, 17-19, 21-23, and 25-60.

1-15. (Canceled)

16. (Original) An isolated nucleic acid molecule encoding a human KCNQ5 potassium channel polypeptide and having a contiguous nucleotide sequence that encodes the amino acid sequence set forth in SEQ ID NO:2.

17-19. (Canceled)

20. (Original) A vector comprising the nucleic acid molecule according to claim 16.

21-23. (Canceled)

24. (Original) A cell comprising the vector according to claim 20.

Claims 25-61. (Canceled)

62. (Original) An isolated nucleic acid molecule, wherein the sequence of said nucleic acid molecule is identical to the sequence in ATCC Deposit No. PTA-1924 (human KCNQ5).